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OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

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DIRECTION 37

Completion of the entries relating to the names of certain genera of the Order Decapoda (Class Crustacea) placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936



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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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DIRECTION 37

COMPLETION OF THE ENTRIES RELATING TO THE NAMES OF CERTAIN GENERA OF THE ORDER DECAPODA (CLASS CRUSTACEA) PLACED ON THE “OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY” IN THE PERIOD UP TO THE END OF 1936

RULING :—(1) The following particulars relating to the determination under Article 30 of the *Règles* of the type species of the under-mentioned genera of the Order Decapoda (Class Crustacea) the names of which were placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 85, are hereby inserted in the said *Official List* :—

(a) Type species by original designation (Rule (a)) :

- (1) *Chasmocarcinus* Rathbun, 1898 ;
- (2) *Eurytium* Stimpson, 1859 ;
- (3) *Geryon* Krøyer, 1837 ;
- (4) *Glyptograpsus* Smith (S.I.), 1870 ;
- (5) *Goneplax* [Leach], [1814] ;
- (6) *Lophopanopeus* Rathbun, 1898 ;
- (7) *Lophopilumnus* Miers, 1886 ;
- (8) *Pseudorhombila* Milne Edwards (H.), 1837 ;

(b) Type species by original designation (Rule (a))
through the formula “n.g., n.sp.” :

- (1) *Durckheimia* de Man, 1889 ;
- (2) *Euryetisus* Cano, 1889 ;
- (3) *Holothuriophilus* Nauck, 1880 ;

- (4) *Pinnaxodes* Heller, [1865] ;
- (5) *Platychirograpsus* de Man, 1896 ;
- (6) *Platypilumnus* Alcock, 1894 ;
- (7) *Thaumastoplax* Miers, 1881 ;
- (8) *Xenophthalmodes* Richters, 1880 ;

(c) Type species by monotypy (Rule (c)) :

- (1) *Acmaeopleura* Stimpson, 1858 ;
- (2) *Asthenognathus* Stimpson, 1858 ;
- (3) *Bathyplax* Milne Edwards (A.), 1880 ;
- (4) *Camptandrium* Stimpson, 1858 ;
- (5) *Camptoplax* Miers, 1884 ;
- (6) *Catoptrus* Milne Edwards (A.), 1870 ;
- (7) *Ceratoplax* Stimpson, 1858 ;
- (8) *Chasmagnathus* de Haan, [1833] ;
- (9) *Clistocoeloma* Milne Edwards (A.), 1873 ;
- (10) *Cyrtograpsus* Dana, 1851 ;
- (11) *Dissodactylus* Smith (S.I.), 1870 ;
- (12) *Epixanthus* Heller, 1861 ;
- (13) *Euchirograpsus* Milne Edwards (H.), 1853 ;
- (14) *Eucrate* de Haan, [1835] ;
- (15) *Eucratodes* Milne Edwards (A.), 1880 ;
- (16) *Eucratopsis* Smith (S.I.), 1869 ;
- (17) *Euryplax* Stimpson, 1859 ;
- (18) *Fabia* Dana, 1851 ;
- (19) *Galene* de Haan, [1833] ;
- (20) *Glyptoplax* Smith (S.I.), 1870 ;
- (21) *Gomezia* Gray (J.E.), 1831 ;

- (22) *Halimede* de Haan, [1835] ;
- (23) *Helice* de Haan, [1833] ;
- (24) *Hepthopelta* Alcock, 1899 ;
- (25) *Hexapus* de Haan, [1833] ;
- (26) *Holometopus* Milne Edwards (H.), 1853 ;
- (27) *Lachnopodus* Stimpson, 1858 ;
- (28) *Leptodius* Milne Edwards (A.), 1863 ;
- (29) *Liagore* de Haan, [1833] ;
- (30) *Libystes* Milne Edwards (A.), 1867 ;
- (31) *Liomera* Dana, 1851 ;
- (32) *Lipaesthesius* Rathbun, 1898 ;
- (33) *Litocheira* Kinahan, 1856 ;
- (34) *Lybia* Milne Edwards (H.), 1834 ;
- (35) *Melybia* Stimpson, [1871] ;
- (36) *Metasesarma* Milne Edwards (H.), 1853 ;
- (37) *Metopocarcinus* Stimpson, [1860] ;
- (38) *Micropanope* Stimpson, [1871] ;
- (39) *Notonyx* Milne Edwards (A.), 1873 ;
- (40) *Oediplax* Rathbun, 1893 ;
- (41) *Ommatocarcinus* White, 1852 ;
- (42) *Opisthopus* Rathbun, 1893 ;
- (43) *Orphnoxanthus* Alcock, 1898 ;
- (44) *Panoplax* Stimpson, [1871] ;
- (45) *Paragalene* Kossmann, 1878 ;
- (46) *Parapanope* de Man, 1895 ;
- (47) *Parapleurophrycoides* Nobili, 1906 ;
- (48) *Paraxanthus* Milne Edwards (H.) & Lucas,
[1844] ;

- (49) *Perigrapsus* Heller, 1862 ;
- (50) *Pilumnoides* Milne Edwards (H.) & Lucas, [1844] ;
- (51) *Pilumnus* Leach, 1815 ;
- (52) *Pinnixa* White, 1846 ;
- (53) *Pinnotherelia* Milne Edwards (H.) & Lucas, [1844] ;
- (54) *Planes* Bowditch, 1825 ;
- (55) *Platyxanthus* Milne Edwards (A.), 1863 ;
- (56) *Polydectus* Milne Edwards (H.), 1837 ;
- (57) *Prionoplax* Milne Edwards (H.), 1852 ;
- (58) *Pseudopinnixa* Ortmann, 1894 ;
- (59) *Psopheticus* Wood-Mason, 1892 ;
- (60) *Ptychognathus* Stimpson, 1858 ;
- (61) *Pyxidognathus* Milne Edwards (A.), 1879 ;
- (62) *Rhithropanopeus* Rathbun, 1898 ;
- (63) *Rhizopa* Stimpson, 1858 ;
- (64) *Ruppellioides* Milne Edwards (A.), 1867 ;
- (65) *Samartium* Dana, 1851 ;
- (66) *Scalopidia* Stimpson, 1858 ;
- (67) *Scleroplax* Rathbun, 1893 ;
- (68) *Speocarcinus* Stimpson, 1859 ;
- (69) *Sphaerozius* Stimpson, 1858 ;
- (70) *Tetraxanthus* Rathbun, 1898 ;
- (71) *Tetrias* Rathbun, 1898 ;
- (72) *Utica* White, 1847 ;
- (73) *Varuna* Milne Edwards (H.), 1830 ;
- (74) *Xanthasia* White, 1846 ;

- (75) *Xanthodius* Stimpson, 1859 ;
- (76) *Xenophthalmus* White, 1846 ;
- (77) *Zosimus* Leach, 1823 ;
- (78) *Zozymodes* Heller, 1861 ;

(d) Type species by subsequent selection (Rule (g)) :

- (1) *Percnon* Gistel, 1848 : by selection by Rathbun (1925) ;
- (2) *Pseudocarcinus* Milne Edwards (H.), 1834 : by selection by Miers (1886).

(2) The type species of the under-mentioned genera were selected under Rule (g) in Article 30 by Miss Mary Rathbun in the application which formed the basis of, and which was reproduced in, *Opinion* 73 published in 1922 (*Smithson. misc. Coll.* 73 (No. 1)) and it is hereby directed that a note to the above effect be entered in the *Official List of Generic Names in Zoology*, the page references for the type selections so made being as specified below :—

- (a) *Actaea* de Haan, [1833] (: 26) ;
- (b) *Actumnus* Dana, 1851 (: 26) ;
- (c) *Atergatis* de Haan, [1833] (: 26) ;
- (d) *Chlorodopsis* Milne Edwards (A.), 1873 (: 26) ;
- (e) *Cyclodius* Dana, 1851 (: 26) ;
- (f) *Ebalia* Leach, [1817] (: 26) ;
- (g) *Iliacantha* Stimpson, [1871] (: 27) ;
- (h) *Pariphiculus* Alcock, 1896 (: 27) ;
- (i) *Persephona* Leach, 1817 (: 28) ;
- (j) *Phlyxia* Bell, 1855 (: 28) ;
- (k) *Pseudophilyra* Miers, 1879 (: 28) ;
- (l) *Speloeophorus* Milne Edwards (A.), 1865 (: 28) ;

- (m) *Thalamitoides* Milne Edwards (A.), 1869 (: 28) ;
 (n) *Thalamonyx* Milne Edwards (A.), 1873 (: 28).

(3) It is hereby directed that the corrections specified below be made in the entries on the *Official List of Generic Names in Zoology* relating to the under-mentioned generic names made by the Rulings given in the *Opinions* severally cited below :—

- (a) *Bathynectes* Stimpson (*Opinion 73*) : The date for this name is to be cited as [1871] and not as 1871.
- (b) *Bathynectes* Stimpson, [1871] (*Opinion 73*) : The incorrect statement that *Bathynectes longispina* Stimpson, [1871], became the type species of the above genus by original designation is to be deleted and to be replaced by the entry that this species became the type species by monotypy.
- (c) *Caphyra* Guérin-Ménéville (*Opinion 73*) : The incorrect entries relating to the date and place of publication of the above generic name and its type species are to be deleted and the following revised entries are to be substituted therefor :—
- (a) *Caphyra* Guérin-Ménéville, 1832, *Ann. Sci. nat.*, Paris 25(99) : 285 ;
- (b) *Caphyra rouxii* Guérin-Ménéville, 1832, *Ann. Sci. nat.*, Paris 25(99) : 287.
- (d) *Hepatella* Smith and *Hepatella amica* Smith (*Opinion 73*) : The incorrect entry “ 1870 ” relating to the date of publication of the above names is to be deleted and the date “ July 1869 ” (printed on the Part (Part 5) of volume 3 of the *American Naturalist* in which these names were published) is to be substituted therefor.
- (e) Five generic names by Bell (T.) published in 1855 (*Opinion 73*) : The under-mentioned generic names

by Bell (T.) were first published in 1855 not in volume 21 of the *Transactions of the Linnean Society of London* (the reference cited in *Opinion* 73) but in volume 2 of the *Proceedings* of the above Society, and the entries relating to these names are to be amended accordingly, the pages on which these names appeared being as specified below :—

- (a) *Leucosilia* Bell, 1855 (: 431) ;
 - (b) *Lithadia* Bell, 1855 (: 434) ;
 - (c) *Myrodes* Bell, 1855 (: 432) ;
 - (d) *Nursilia* Bell, 1855 (: 434) ;
 - (e) *Phlyxia* Bell, 1855 (: 433).
- (f) *Speloeophorus* Milne Edwards (A.), 1865 (*Opinion* 73) : For reasons similar to those specified in relation to the generic names enumerated in (e) above the incorrect entry (*Trans. linn. Soc. Lond.* 21) given for the name *Oreophorus nodosus* Bell (T.), 1855 (name of type species of *Speloeophorus* Milne Edwards (A.), 1865) is to be deleted and the following revised entry to be inserted in its place :—*Oreophorus nodosus* Bell (T.), 1855, *Proc. linn. Soc. Lond.* 2 : 434.
- (g) *Correction of date attributed to certain names published in Part 2 of the Crustacea Section of Arthur White's "The Voyage of H.M.S. Samarang"* (*Opinion* 73) : The date "1848" incorrectly attributed to the under-mentioned names published in Part 2 of the Crustacea Section of White (A.), *The Voyage of H.M.S. Samarang* (which commenced at page 33) is to be deleted and the date "1849" is to be inserted in its place :—
- (a) *Carpilius signatus* Adams & White, [1849] (: 37) (type species of *Atergatopsis* Milne Edwards (A.), 1862) ;

- (b) *Iphiculus* Adams & White, [1849] (: 57) ;
- (c) *Iphiculus spongiosus* Adams & White, [1849] (: 57) (type species of *Iphiculus* Adams & White, [1849]) ;
- (d) *Lissocarcinus* Adams & White, [1849] (: 45) ;
- (e) *Lissocarcinus polybioides* Adams & White, [1849] (: 46) (type species of *Lissocarcinus* Adams & White, [1849]) ;
- (f) *Lupocyclus* Adams & White, [1849] (: 46) ;
- (g) *Lupocyclus rotundatus* Adams & White, [1849] (: 47) (type species of *Lupocyclus* Adams & White, [1849]) ;
- (h) *Tlos* Adams & White, [1849] (: 57) ;
- (i) *Tlos muriger* Adams & White, [1849] (: 58) (type species of *Tlos* Adams & White, [1849]).
- (h) *Trichodactylus* Latreille (*Opinion* 73) : The incorrect entry of the date of publication of the above name as " 1825 " is to be deleted and the date " 1828 " (the date of publication of Part 2 of the Crustacea Section of the *Ency. méth.*, in which this name first appeared) is to be inserted in its place.
- (i) *Cymo* de Haan, [1833] (*Opinion* 73) : The incorrect entry of the date of publication of the name *Pilumnus andreossyi* Audouin (the type species of *Cymo* de Haan, [1833]) as " 1825 " is to be deleted and the date " [1826] " is to be inserted in its place.
- (j) *Scylla* de Haan, [1833] (*Opinion* 73) : The incorrect entry that *Cancer serratus* Forskål, 1775, is the type species of *Scylla* de Haan, [1833], by monotypy is to be deleted and is to be replaced by an entry that the above species is the type species

of the foregoing genus by selection by Rathbun (1922, *Smithson. misc. Coll.* 73 (No. 1) : 28).

(k) *Correction of date attributed to certain names published in the Crustacea Section of d'Orbigny's "Voyage dans l'Amerique Méridionale" (Opinion 85) : The date "1843" incorrectly attributed to the under-mentioned names published in the Crustacea Section of d'Orbigny's Voyage dans l'Amerique Méridionale is to be deleted and the date "[1844]" inserted in its place :—*

(a) *Paraxanthus* Lucas, [1844] ;

(b) *Pilumnoides* Lucas, [1844] ;

(c) *Pinnotherelia* Lucas, [1844] ;

(l) *Nephrops* [Leach] (*Opinion* 104) : The incorrect entry of the date of publication of the above name as "1815" is to be deleted and the date "1814" (in which year the foregoing name was published in an anonymous paper of Leach's in Part 2 of volume 7 of Brewster's *Edinburgh Encyclopaedia*) is to be inserted in its place, the revised entry to be made being as follows :—*Nephrops* [Leach], [1814], in Brewster's *Edinburgh Ency.* 7(2) : 398—400.

(4) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

(i) *Acanthocyclus* Dybowski, 1873 (a junior homonym of *Acanthocyclus* Milne Edwards (H.) & Lucas, [1844]) (Name No. 461) ;

(ii) *Acanthopus* Oken, 1816 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 462) ;

(iii) *Acanthopus* Dahl, 1823 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 463) ;

- (iv) *Acanthopus* Latreille, 1829 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 464) ;
- (v) *Acanthopus* de Haan, [1835] (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 465) ;
- (vi) *Acanthopus* Muenster, 1839 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 466) ;
- (vii) *Acanthopus* Giebel, 1872 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 467) ;
- (viii) *Acanthopus* Vernet, 1877 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 468) ;
- (ix) *Asthenognathus* Bocourt, 1884 (a junior homonym of *Asthenognathus* Stimpson, 1858 (Name No. 469) ;
- (x) *Asthenognathus* Broom, 1915 (a junior homonym of *Asthenognathus* Stimpson, 1858) (Name No. 470) ;
- (xi) *Bathynectes* Guenther, 1878 (a junior homonym of *Bathynectes* Stimpson, [1871] (Name No. 471) ;
- (xii) *Bathynectes* Brinkman, 1913 (a junior homonym of *Bathynectes* Stimpson, [1871] (Name No. 472) ;
- (xiii) *Bellia* Bate, 1851 (a junior homonym of *Bellia* Milne Edwards (H.), 1848) (Name No. 473) ;
- (xiv) *Bellia* Gray (J.E.), 1869 (a junior homonym of *Bellia* Milne Edwards (H.), 1848) (Name No. 474) ;
- (xv) *Bellia* Tutt, 1902 (a junior homonym of *Bellia* Milne Edwards (H.), 1848) (Name No. 475) ;
- (xvi) *Caphyra* Barrande, 1846 (a junior homonym of *Caphyra* Guérin-Ménéville, 1832 (Name No. 476) ;
- (xvii) *Chlorodopsis* Milne Edwards (A.), 1863 (a *nomen nudum*) (Name No. 477) ;

- (xviii) *Cyrtograpsus* Carruthers, 1867 (a junior homonym of *Cyrtograpsus* Dana, 1851) (Name No. 478) ;
- (xix) *Eucrate* Rafinesque, 1815 (a *nomen nudum*) (Name No. 479) ;
- (xx) *Euryplax* Klapalek, 1909 (a junior homonym of *Euryplax* Stimpson, 1859) (Name No. 480) ;
- (xxi) *Gecarcinicus* Dana, 1852 (an Erroneous Subsequent Spelling for *Gecarcinucus* Milne Edwards (H.), 1844) (Name No. 481) ;
- (xxii) *Goneplat* [Leach], [1814] (an Invalid Original Spelling for *Goneplax* [Leach], [1814]) (Name No. 482) ;
- (xxiii) *Gonoplax* Leach, 1815 (an Invalid Emendation of *Goneplax* [Leach], [1814]) (Name No. 483) ;
- (xxiv) *Halimede* Rathke, 1843 (a junior homonym of *Halimede* de Haan, [1835]) (Name No. 484) ;
- (xxv) *Halimede* Oberthuer & Houlbert, 1922 (a junior homonym of *Halimede* de Haan, [1835]) (Name No. 485) ;
- (xxvi) *Helice* Chambers, 1873 (a junior homonym of *Helice* de Haan, [1833]) (Name No. 486) ;
- (xxvii) *Holometopus* Angelin, 1854 (a junior homonym of *Holometopus* Milne Edwards (H.), 1853) (Name No. 487) ;
- (xxviii) *Homalaspis* Brunner von Wattenwyl, 1895 (a junior homonym of *Homalaspis* Milne Edwards (A.), 1863) (Name No. 488) ;
- (xxix) *Homalaspis* Kaier, 1932 (a junior homonym of *Homalaspis* Milne Edwards (A.), 1863) (Name No. 489) ;
- (xxx) *Homarus* Broun, 1881 (a junior homonym of *Homarus* Weber, 1795) (Name No. 490) ;

- (xxxix) *Iphiculus* White, 1847 (a *nomen nudum*) (Name No. 491) ;
- (xxxii) *Iphis* Koch (C.L.), 1835 (a junior homonym of *Iphis* Leach, 1817) (Name No. 492) ;
- (xxxiii) *Iphis* Laporte, 1836 (a junior homonym of *Iphis* Leach, 1817) (Name No. 493) ;
- (xxxiv) *Liagora* Gistel, 1848 (an Erroneous Subsequent Spelling of *Liagore* de Haan, [1833]) (Name No. 494) ;
- (xxxv) *Lissocarcinus* Adams & White, 1847 (a *nomen nudum*) (Name No. 495) ;
- (xxxvi) *Lupocyclus* White, 1847 (a *nomen nudum*) (Name No. 496) ;
- (xxxvii) *Persephona* Leach, 1852 (a junior homonym of *Persephona* Leach, 1817) (Name No. 497) ;
- (xxxviii) *Pilumnus* Rafinesque, 1815 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 498) ;
- (xxxix) *Pilumnus* Dejean, 1821 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 499) ;
- (xl) *Pilumnus* Koch (C.L.), 1837 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 500) ;
- (xli) *Pilumnus* Gistel, 1848 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 501) ;
- (xlii) *Pilumnus* Bonaparte, 1854 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 502) ;
- (xliii) *Planes* Saussure, 1862 (a junior homonym of *Planes* Bowditch, 1825) (Name No. 503) ;
- (xliv) *Planes* Rondani, 1864 (a junior homonym of *Planes* Bowditch, 1825) (Name No. 504) ;
- (xlv) *Podacanthus* Brandt, 1848 (a junior homonym of *Podacanthus* Gray (J.E.), 1833) (Name No. 505) ;

- (xlvi) *Podophthalmus* Lamarck, 1801 (an Invalid Original Spelling for *Podophthalmus* Lamarck, 1801) (Name No. 506) ;
- (xlvii) *Polydectus* Rafinesque, 1815 (a *nomen nudum*) (Name No. 507) ;
- (xlviii) *Pseudopinnixa* Holmes, 1895 (a junior homonym of *Pseudopinnixa* Ortmann, 1894) (Name No. 508) ;
- (xlix) *Ptychognathus* Owen, 1860 (a junior homonym of *Ptychognathus* Stimpson, 1858) (Name No. 509) ;
- (l) *Telmessus* Stål, 1866 (a junior homonym of *Telmessus* White, 1846) (Name No. 510) ;
- (li) *Tlos* White, 1847 (a *nomen nudum*) (Name No. 511) ;
- (lii) *Trichodactylus* Dufour, 1839 (a junior homonym of *Trichodactylus* Latreille, 1828) (Name No. 512) ;
- (liii) *Utica* Hewitson, [1865] (a junior homonym of *Utica* White, 1847) (Name No. 513) ;
- (liv) *Valdivia* Ragonot, 1888 (a junior homonym of *Valdivia* White, 1847) (Name No. 514) ;
- (lv) *Valdivia* Shannon, 1927 (a junior homonym of *Valdivia* White, 1847) (Name No. 515) ;
- (lvi) *Zosimus* Schaufuss, 1886 (a junior homonym of *Zosimus* Leach, 1825) (Name No. 516) ;
- (lvii) *Zozymus* Milne Edwards (H.), 1834 (an Erroneous Subsequent Spelling for *Zosimus* Leach, 1825) (Name No. 517).

(5) The under-mentioned specific names are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Numbers severally specified below :—

- (i) *granulatus* de Haan, [1835], as published in the combination *Cancer (Actaea) granulatus* (a junior

- homonym of *granulatus* Linnaeus, 1758, as published in the combination *Cancer granulatus*) (Name No. 336) ;
- (ii) *pennanti* Leach, [1817], as published in the combination *Ebalia pennanti* (a junior objective synonym of *tuberosus* Pennant, 1777, as published in the combination *Cancer tuberosus*) (Name No. 337) ;
- (iii) *tresselata* Milne Edwards (H.), 1834, as published in the combination *Lybia tresselata* (an Erroneous Subsequent Spelling for *tesselatus* Latreille, 1812, as published in the combination *Grapsus tesselatus*) (Name No. 338) ;
- (iv) *jurinii* Bell, 1855, as published in the combination *Leucosilia jurinii* (an Erroneous Subsequent Spelling for *jurinei* Saussure, 1853, as published in the combination *Guaia (Ilia) jurinei*) (Name No. 339) ;
- (v) *vigil* Fabricius, 1798, as published in the combination *Portunus vigil* (a junior objective synonym of *vigil* Weber, 1795, as published in the combination *Portunus vigil*) (Name No. 340).

I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* is the third of a series containing decisions by the International Commission on Zoological Nomenclature in regard to names of genera of the Order Decapoda (Class Crustacea) placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 taken by the International Commission under General Directives issued to it by the Thirteenth International Congress of Zoology, Paris, 1948, with the object of completing the entries made on the *Official List* in the foregoing period. The first of the *Directions* already rendered (*Direction* 11) contained decisions by the Commission as to the gender to be attributed to the generic names in question, while the second

of these *Directions* (*Direction 36*) was concerned with the placing on the *Official List of Specific Names in Zoology* of the specific names of the type species of the foregoing genera in all cases where those names were the oldest available for the species concerned and, in other cases, of the specific names subjectively considered to be the oldest available for the species in question. The present *Direction* is concerned with various miscellaneous matters on which decisions by the Commission are needed in order to enable it to comply fully with the General Directives referred to above. Apart from a few names which have been reserved for separate consideration, the present *Direction*, coupled with its two predecessors, completes the action required in the case of the names of genera of the Order Decapoda placed on the *Official List* in the period under review. The proposals which formed the basis of the decisions embodied in the present *Direction* were submitted by the Secretary in the following paper on 19th September 1955 :—

Names of genera of the Order Decapoda in the Class Crustacea placed on the " Official List of Generic Names in Zoology " in the period up to the end of 1936 : proposed determination of certain outstanding matters additional to those dealt with in the proposals submitted with in Voting Papers V.P.(O.M.)(55)6 and V.P.(O.M.)(55)27

By FRANCIS HEMMING, C.M.G., C.B.E.,

(*Secretary to the International Commission on Zoological Nomenclature*)

The present paper contains a final instalment of proposals relating to the names of genera of the Order Decapoda in the Class Crustacea placed on the *Official List of Generic Names in Zoology* by Rulings given in *Opinions* rendered in the period up to the end of 1936. The two earlier instalments were concerned respectively with the determination of the gender to be attributed to the generic names concerned (proposals submitted with Voting Paper V.P.(O.M.)(55)6) and with the addition to the *Official List of Specific Names in Zoology* of the specific names of the type species of the genera in question (proposals submitted with Voting Paper V.P.(O.M.)(55)27). The present paper is concerned with various other matters on which decisions by the Commission are required before this large block of entries on the *Official List of Generic Names in Zoology* can be regarded as having

been brought up to the standard required for inclusion in the forthcoming volume containing particulars of all names so far placed on the *Official List*.

2. The first point which calls for note is that, whereas in *Opinions* 73 and 104 some information (though often of a meagre character) was given on the question of how the species there cited as the type species of the genera concerned acquired that status under Article 30 of the *Règles*, no information of any sort bearing on this subject was provided in respect of the ninety-eight genera, the names of which were placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 85. In the case of these names it has been necessary to examine the book or serial in which each was published in order to ascertain whether the species cited in *Opinion* 85 was one of the included species and whether that species was there either designated or indicated as the type species. In those cases where none of the included species was so designated or indicated, it was necessary, in conjunction with interested specialists, to examine the later literature for the purpose of ascertaining by whom, when and where one of the originally included species was first selected to be the type species of the genus concerned. The results of these laborious investigations are set out in Annexe 1 to the present paper.

3. It is necessary next to note that in the case of fourteen names placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 73, the only note given as to the manner in which the type species of the genera concerned had been determined under Article 30 was the insertion of the formula "tpd", i.e. type by present designation. Since these type selections have sometimes been attributed to the Commission, it should be noted that the portion of the *Opinion* in which this formula is used consists of the application submitted to the Commission by Miss Mary Rathbun, the applicant, to whom therefore these type selections are attributable. The names concerned are the following:—*Actaea*; *Actumnus*; *Atergatis*; *Chlorodopsis*; *Cyclodius*; *Ebalia*; *Iliacantha*; *Pariphiculus*; *Persephona*; *Phlyxia*; *Pseudophilyra*; *Speloeophorus*; *Thalamitoides*; *Thalamonyx*.

4. In a number of cases wrong dates or erroneous attributions for generic names were given in the *Opinions* in which the names concerned were placed upon the *Official List*. The necessary corrections are set out in Annexe 2 to the present paper. In the same Annexe particulars are given also regarding the dates of publication of certain books which were issued in Parts and which therefore present certain difficulties in dating.

5. Annexe 3 gives particulars of certain objectively invalid names which are involved in one way or another with the names of genera

placed on the *Official List* in the period up to the end of 1936 and which under the General Directives issued to the Commission by the International Congress of Zoology should now be placed on the appropriate *Official Index of Rejected and Invalid Names*. This Annexe is divided into two Sections : Section A which contains a list of invalid generic names, Section B, which contains a list of invalid specific names.

6. Although the number of generic names of the Order Decapoda placed on the *Official List* in the period up to the end of 1936 is large, the genera concerned are in many cases closely allied to one another. In consequence, the number of family-group names involved is relatively small. These names are now being investigated and proposals in regard to them will be submitted in due course.

7. The proposals now submitted are that, in accordance with the Directives issued by the International Congress of Zoology, the Commission should complete the Rulings in relation to the names of genera in the Order Decapoda (Class Crustacea) given in *Opinions* rendered in the period up to the end of 1936 by :—

- (a) entering on the *Official List of Generic Names in Zoology* the particulars specified in Annexe 1 regarding the manner in which type species for the genera there enumerated were determined under Article 30 of the *Règles* ;
- (b) taking note that the type species for the genera specified in paragraph 3 above were selected under Rule (g) in Article 30 by Miss Mary Rathbun in her application to the Commission published in *Opinion 73* ;
- (c) entering on the foregoing *Official List* the corrections, specified in Annexe 2, of wrong dates and erroneous attributions given in the *Opinions* in which generic names of Decapoda were placed on that *List* ;
- (d) placing on the *Official Index of Rejected and Invalid Generic Names in Zoology* the generic names specified in Section A of Annexe 3 and on the corresponding *Official Index* of specific names the specific names specified in Section B of that Annexe.

8. The proposals now submitted complete the action required for the completion and, where necessary, the correction, of entries relating to the names of genera of Decapoda placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, except as regards two names which are being further investigated and on which proposals will be submitted to the Commission as soon as possible.

ANNEXE 1

Particulars as to the determination, under Article 30 of the "Règles", of the type species of certain genera in the Order Decapoda (Class Crustacea), the names of which were placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936

| <i>Name of Genus</i> | <i>Entry relating to the determination of the type species of the genus specified in Col. 1 now proposed to be inserted in the "Official List of Generic Names in Zoology"</i> |
|---|--|
| (1) | (2) |
| <i>Acmaeopleura</i> Stimpson, 1858 | by monotypy |
| <i>Asthenognathus</i> Stimpson, 1858 | by monotypy |
| <i>Bathyplax</i> Milne Edwards, 1880 | by monotypy |
| <i>Camptandrium</i> Stimpson, 1858 | by monotypy |
| <i>Camptoplax</i> Miers, 1884 | by monotypy |
| <i>Catoptrus</i> Milne Edwards, 1870 | by monotypy |
| <i>Ceratoplax</i> Stimpson, 1858 | by monotypy |
| <i>Chasmagnathus</i> de Haan, [1833] | by monotypy |
| <i>Chasmocarcinus</i> Rathbun, 1898 | by original designation |
| <i>Clistocoeloma</i> Milne Edwards, 1873 | by monotypy |
| <i>Cyrtograpsus</i> Dana, 1851 | by monotypy |
| <i>Dissodactylus</i> Smith, 1870 | by monotypy |
| <i>Durckheimia</i> de Man, 1889 | by original designation through the formula "n.g., n.sp." |
| <i>Epixanthus</i> Heller, 1861 | by monotypy |
| <i>Euchirograpsus</i> Milne Edwards, 1853 | by monotypy |
| <i>Eucrate</i> de Haan, [1835] | by monotypy |
| <i>Eucratodes</i> Milne Edwards, 1880 | by monotypy |
| <i>Eucratopsis</i> Smith, 1869 | by monotypy |
| <i>Euryetisus</i> Cano, 1889 | by original designation through the formula "n.g., n.sp." |
| <i>Euryplax</i> Stimpson, 1859 | by monotypy |
| <i>Eurytium</i> Stimpson, 1859 | by original designation |
| <i>Fabia</i> Dana, 1851 | by monotypy |
| <i>Galene</i> de Haan, [1833] | by monotypy |
| <i>Geryon</i> Krøyer, 1837 | by original designation |
| <i>Glyptograpsus</i> Smith, 1870 | by original designation |
| <i>Glyptoplax</i> Smith, 1870 | by monotypy |
| <i>Gomezia</i> Gray, 1831 | by monotypy |
| <i>Goneplax</i> [Leach], [1814] | by original designation |

Name of Genus

Entry relating to the determination of the type species of the genus specified in Col. 1 now proposed to be inserted in the "Official List of Generic Names in Zoology"

(1)

(2)

| | |
|--|---|
| <i>Halimede</i> de Haan, [1835] | by monotypy |
| <i>Helice</i> de Haan, [1833] | by monotypy |
| <i>Hepthopelta</i> Alcock, 1899 | by monotypy |
| <i>Hexapus</i> de Haan, [1833] | by monotypy |
| <i>Holometopus</i> Milne Edwards, 1853 | by monotypy |
| <i>Holothuriophilus</i> Nauck, 1880 | by original designation through the formula "n.g., n.sp." |
| <i>Lachnopodus</i> Stimpson, 1858 | by monotypy |
| <i>Leptodius</i> Milne Edwards, 1863 | by monotypy |
| <i>Liagore</i> de Haan, [1833] | by monotypy |
| <i>Libystes</i> Milne Edwards, 1867 | by monotypy |
| <i>Liomera</i> Dana, 1851 | by monotypy |
| <i>Lipaesthesius</i> Rathbun, 1898 | by monotypy |
| <i>Litocheira</i> Kinahan, 1856 | by monotypy |
| <i>Lophopanopeus</i> Rathbun, 1898 | by original designation |
| <i>Lophopilumnus</i> Miers, 1886 | by original designation |
| <i>Lybia</i> Milne Edwards, 1834 | by monotypy |
| <i>Melybia</i> Stimpson, [1871] | by monotypy |
| <i>Metasesarma</i> Milne Edwards, 1853 | by monotypy |
| <i>Metopocarcinus</i> Stimpson, [1860] | by monotypy |
| <i>Micropanope</i> Stimpson, [1871] | by monotypy |
| <i>Notonyx</i> Milne Edwards, 1873 | by monotypy |
| <i>Oediplax</i> Rathbun, 1893 | by monotypy |
| <i>Ommatocarcinus</i> White, 1852 | by monotypy |
| <i>Opisthopus</i> Rathbun, 1893 | by monotypy |
| <i>Orphnoxanthus</i> Alcock, 1898 | by monotypy |
| <i>Panoplax</i> Stimpson, [1871] | by monotypy |
| <i>Paragalene</i> Kossmann, 1878 | by monotypy |
| <i>Parapanope</i> de Man, 1895 | by monotypy |
| <i>Parapleuophrycoides</i> Nobili, 1906 | by monotypy |
| <i>Paraxanthus</i> Milne Edwards & Lucas, [1844] | by monotypy |
| <i>Percnon</i> Gistel, 1848 | by subsequent selection by Rathbun, 1925, <i>Smiths. misc. Publ.</i> 73(2) : 16 |
| <i>Perigrapsus</i> Heller, 1862 | by monotypy |
| <i>Pilumnoides</i> Milne Edwards & Lucas, [1844] | by monotypy |
| <i>Pilumnus</i> Leach, 1815 | by monotypy |
| <i>Pinnaxodes</i> Heller, [1865] | by original designation through the formula "n.g., n.sp." |

| <i>Name of Genus</i> | <i>Entry relating to the determination of the type species of the genus specified in Col. 1 now proposed to be inserted in the "Official List of Generic Names in Zoology"</i> |
|---|--|
| (1) | (2) |
| <i>Pinnixa</i> White, 1846 | by monotypy |
| <i>Pinnotherelia</i> Milne Edwards & Lucas, [1844] | by monotypy |
| <i>Pinnotheres</i> Latreille, [1802—1803] | by monotypy |
| <i>Planes</i> Bowditch, 1825 | by monotypy |
| <i>Platychirograpsus</i> de Man, 1896 | by original designation through the formula "n.g., n.sp." |
| <i>Platypilumnus</i> Alcock, 1894 | by original designation through the formula "n.g., n.sp." |
| <i>Platyxanthus</i> Milne Edwards, 1863 | by monotypy |
| <i>Polydectus</i> Milne Edwards, 1837 | by monotypy |
| <i>Prionoplax</i> Milne Edwards, 1852 | by monotypy |
| <i>Pseudocarcinus</i> Milne Edwards, 1834 | by subsequent selection by Miers, 1886, <i>Rep. Voy. Challenger</i> (Zool.) 17(no. 2) : 141, nota 1. |
| <i>Pseudopinnixa</i> Ortmann, 1894 | by monotypy |
| <i>Pseudorhombila</i> Milne Edwards, 1837 | by original designation |
| <i>Psopheticus</i> Wood-Mason, 1892 | by monotypy |
| <i>Ptychognathus</i> Stimpson, 1858 | by monotypy |
| <i>Pyxidognathus</i> Milne Edwards, 1879 | by monotypy |
| <i>Rhithropanopeus</i> Rathbun, 1898 | by monotypy |
| <i>Rhizopa</i> Stimpson, 1858 | by monotypy |
| <i>Ruppellioides</i> Milne Edwards, 1867 | by monotypy |
| <i>Samartium</i> Dana, 1851 | by monotypy |
| <i>Scalopidia</i> Stimpson, 1858 | by monotypy |
| <i>Scleroplax</i> Rathbun, 1893 | by monotypy |
| <i>Speocarcinus</i> Stimpson, 1859 | by monotypy |
| <i>Sphaerozius</i> Stimpson, 1858 | by monotypy |
| <i>Tetraxanthus</i> Rathbun, 1898 | by monotypy |
| <i>Tetrias</i> Rathbun, 1898 | by monotypy |
| <i>Thaumastoplax</i> Miers, 1881 | by original designation through the formula "n.g., n.sp." |
| <i>Utica</i> White, 1847 | by monotypy |
| <i>Varuna</i> Milne Edwards, 1830 | by monotypy |
| <i>Xanthasia</i> White, 1846 | by monotypy |
| <i>Xanthodius</i> Stimpson, 1859 | by monotypy |
| <i>Xenophthalmodes</i> Richters, 1880 | by original designation through the formula "n.g., n.sp." |

*Entry relating to the determination
of the type species of the genus
specified in Col. 1 now proposed
to be inserted in the "Official List
of Generic Names in Zoology"*

Name of Genus

(1)

(2)

Xenophthalmus White, 1846

by monotypy

Zosimus Leach, 1823

by monotypy

Zozymodes Heller, 1861

by monotypy

ANNEXE 2

**Proposals for the correction of certain erroneous dates and attributions
cited for the names of genera of the Order Decapoda (Class
Crustacea) when placed on the "Official List of Generic
Names in Zoology" by Rulings given in "Opinions" 73,
85 and 104 or for the names of the type species of such
genera**

(a) Corrections of entries in "Opinion" 73

(1) "Bathynectes" Stimpson

Two questions arise in connection with this generic name: first, the date on which it was published; second, the manner in which the type species was determined. These matters are discussed separately below.

The name *Bathynectes* Stimpson was published in Part 2 of vol. 2 of the *Bull. Mus. comp. Zool.* of Harvard. This name (and other new names occurring in the same paper) are treated as having been published in 1870 in some catalogues and in others as having been published in 1871. In order to clear up this matter, I appealed to my colleague the late Dr. James L. Peters, who, as a member of the staff of the Museum of Comparative Zoology, was in a specially good position for investigating the dates of publication of parts of the *Bulletin* of that Museum. On 1st June 1944, Dr. Peters replied as follows:—

The early numbers of the M.C.Z. *Bulletin* were issued without covers and no printed date of publication. The number in question bears the date and inscription at the end of the article, "Chicago Academy of Science, December 1, 1870". This apparently is when the manuscript was completed and should not be accepted as the publication date. The accession catalogue in the Museum Library shows that a bound copy of No. 2, Vol. 2, was entered on April 12, 1871. Inquiring of the librarian of the Boston Society of Natural History reveals that a copy in paper covers,

as issued, was received there on February 17, 1871. On the other hand, the price list of Museum publications claims December 1870 as the date. This evidence seems to show that the actual date of publication was probably about the middle of Feb. 1871 and the fact that our Museum catalogue doesn't show an entry until April 12th is accounted for by the fact that the issue was not entered until it had been returned from the bindery.

Further check-up with the Museum price-list and the date of receipt of the unbound parts at the Boston Society of Natural History shows that, in each case, the numbers of Vol. 2 were received by that institution a month to six weeks after the date claimed in the Museum price-list.

In view of the information supplied by Dr. Peters and having regard to the fact that, as he shows, Stimpson's paper was still in manuscript at the Chicago Academy as late as 1st December 1870, it must certainly be concluded that publication did not take place until some date in 1871.

In the application published in *Opinion* 73 Miss Rathbun stated that the type species of *Bathynectes* Stimpson was "tod. *B. superba* = *Portunus superba* Costa, 1838? = *B. longispina* Stimpson, 1871". This statement is incorrect in two respects. First Stimpson made no mention of *Portunus superba* Costa, which was therefore not an originally-included species and is accordingly ineligible for selection as the type species of *Bathynectes*. Second, contrary to the statement given by the abbreviated entry "tod." (= type by original designation) Stimpson did not designate a type species for the genus *Bathynectes*. All that he did was to include in it two new nominal species, namely *Bathynectes longispina* (: 146) and *Bathynectes brevispina* (: 147) and to add as regards the latter, that he was doubtful whether it was specifically distinct from *longispina*. This latter statement, however, made the nominal species *Bathynectes brevispina* a *species inquirenda* from Stimpson's standpoint. Accordingly, under the second subsection of Rule (e) in Article 30, the nominal species *Bathynectes brevispina* becomes ineligible for selection as the type species of *Bathynectes*. As a result, that genus is left with only one eligible included species, namely, *Bathynectes longispina* Stimpson, which thus becomes the type species of this genus, not by original designation as stated in *Opinion* 73, but by monotypy.

(2) "Caphyra" Guérin-Ménéville

Both the place and date of publication given for this generic name in *Opinion* 73, as also for the name of its type species, are incorrect. The entry given in this *Opinion* reads as follows:—" *Caphyra* Guérin, 1830, 26, mt. *C. rouxii* Guérin, 1830." Reference to the list of papers given earlier (: 24) in *Opinion* 73 shows that the expression "Guérin,

1830" was intended to be interpreted as meaning "Guérin, 1830, Voy. Coquille, Zool., v.2, Crust." Reference to the *Voy. Coquille* shows that these names were published in vol. 2 (No. 2) (Part 1) of the Zoology Section (*Caphyra* on page 26 and *C. rouxii* on page 28). The point to be noted here is that a detailed analysis of the evidence relating to the dates of publication of the *Voy. Coquille* made by Sherborn in 1905 (*Ann. Mag. nat. Hist.* (7) 17 : 335) shows that the Crustacea portion was issued as Livraison 28 (which contained 60 sheets, i.e. the whole of Vol. 2, No. 2) and that this Livraison was not published until 1838. Thus if *Caphyra* had first been published in the *Voy. Coquille*, it would be necessary to attribute it to the year "1838" and not to the year "1830" (the year cited in *Opinion* 73). But in fact that generic name and the name of the type species of the genus so named were first published in a paper in the *Ann. Sci. nat.* of Paris which appeared in 1832. The correct references for the two names in question are thus :—*Caphyra* Guérin-Ménéville, 1832, *Ann. Sci. nat.*, Paris 25(99) : 285 ; *Caphyra rouxii* Guérin-Ménéville, 1832, *ibid.* 25(99) : 287.

(3) "Hepatella" Smith

The name *Hepatella* Smith and the name (*Hepatella amica* Smith) of the type species of the genus so named were published in volume 3 of the *American Naturalist*. These names were assigned the date "1870" in *Opinion* 73. Inspection of this volume shows that Part 5 (the part in which the foregoing names appeared) bears the date "July 1869". It also bears the following legend :—

"Entered according to Act of Congress in the year 1869, by the Peabody Academy of Science, in the clerk's office of the District Court of the District of Massachusetts."

On the other hand, the title page of the volume as a whole bears the date "1870" and it was no doubt from this source that this date was cited in *Opinion* 73. There are no grounds for rejecting the evidence cited above and it is reasonable therefore to conclude that this volume appeared partly in 1869 and partly in 1870 and that the Part containing the names here under consideration was published in the earlier of these two years.

(4) Relative dates of publication in 1855 of two papers by Bell (T.), each containing identical names as new names.

A number of names dealt with in *Opinion* 73 were first published in 1855 in a paper by Bell (T.), the place of publication being cited in that *Opinion* as volume 21 of the *Transactions of the Linnean Society of London*. It appears from the Minutes of the Society that the paper was read at a meeting held under Bell's Presidency on 5th June 1855. It was published later in the same year in the *Transactions*, but previous to this an abstract of it containing new names with the requisite indications appeared in the issue of the *Proceedings* of the Society,

published on the 19th October 1855. The names concerned should therefore be attributed to the *Proceedings* and not to the *Transactions*.

The names to which the foregoing correction applies and the number of the page in vol. 2 of the *Proceedings* in which those names first appeared are as follows :—*Leucosilia* (: 431) ; *Lithadia* (: 434) ; *Myrodes* (: 432) ; *Nursilia* (: 434) ; *Phlyxia* (: 433) ; the name *Oreophorus nodosus* (: 434) (specific name of type species of *Spelocophorus*).

(5) **Date of publication of the “Crustacea” Section of Arthur White’s “The Voyage of H.M.S. Samarang”.**

A number of names first published in the Crustacea Section of Adams (A.), *The Voyage of H.M.S. Samarang* were dealt with in *Opinion 73* where they were all treated as having been published in 1848. Sherborn, however, has shown (1922, *Index Anim.*, Sectio secund. (1) : cxi) that the Crustacea Section of this book was published in two parts, the first, containing pp. 1—32, in July 1848 ; the second, containing pp. 33—66, in April 1849. Re-examination of the dates assigned in *Opinion 73* to names published in this work shows that the following names must be dated “1849” instead of “1848” :—(i) *Carpilius signatus* (: 37) (type species of *Atergatopsis*) ; (ii) *Iphiculus* (: 57) and its type species *Iphiculus spongiosus* (: 57) ; (iii) *Lissocarcinus* (: 45) and its type species *Lissocarcinus polybioides* (: 46) ; (iv) *Lupocyclus* (: 46) and its type species *Lupocyclus rotundatus* (: 47) ; *Tlos* (: 57) and its type species *Tlos muriger* (: 58).

(6) **“Trichodactylus” Latreille**

This name was published in Part 2 of volume 10 (Crustacea) of the *Ency. méth.*, and in *Opinion 73* the date “1825” was attributed to it. This is, however, incorrect, being the date of publication of the first part of the volume. Part 2 was published in 1828.

(7) **“Cymo” de Haan, [1833]**

In *Opinion 73* the date “1825” was attributed to *Pilumnus andreossyi* Audouin, the name of the type species of the genus *Cymo*. This matter, however, was investigated by Sherborn (1923, *Index Anim.*, Sectio secund. : 305) who ascertained that the above name should be treated as having been published in 1826.

(8) **“Scylla” de Haan, [1833]**

This genus was stated by Miss Rathbun in *Opinion 73* to be monotypical with *Cancer serratus* Forskål, 1775, as type species. Miss Rathbun was aware that de Haan had placed a second nominal species in this genus, namely, *Portunus tranquebaricus* Fabricius, 1798, for she noted this fact in the application published in the *Opinion*, and added that these species “are synonymous”. Although she was of the opinion that only one valid taxon had been placed by de Haan in this genus,

it was erroneous from the nomenclatorial point of view to state that the genus was monotypical. She herself in the application referred to above definitely selected *C. serratus* Forskål to be the type species of *Scylla* de Haan, and this appears to be the first, and therefore the valid, type selection for this genus.

(b) Corrections of entries in "Opinion" 85

(9) Date of publication of the Crustacea Section of d'Orbigny's "Voyage dans l'Amerique Meridionale"

Both in *Opinion* 73 and in *Opinion* 85 there are names which were first published in the Crustacea Section of d'Orbigny's *Voyage dans l'Amerique Meridionale*. There is no consistency as to the dates assigned to those names in those *Opinions*. The dates given in *Opinion* 73 are correct but those given in *Opinion* 85 for the following names were incorrectly given as "1843" instead of "1844":—*Paraxanthus*; *Pilumnoides*; *Pinnotherelia*.

(10) "Pinnotheres" Latreille

The name *Pinnotheres* Latreille was published in volume 3 of the *Hist. nat. gen. partic. Crust. Ins.* in Sonnini's Buffon. In *Opinion* 85 the date given for this name was "1801—2" and it was stated that the volume concerned was published in An X of the French Revolutionary Calendar. This ran from September 1801 to September 1802. While "An X" is the date given on the title page of the volume, it has now been established that it cannot have been published before some date in "An XI", i.e. in the period September 1802 to September 1803 (see Hemming, 1946, *Bull. zool. Nomencl.* 1 : 205, footnote 7).

(c) Corrections of entries in "Opinion" 104

(11) "Nephrops" [Leach]

Two points call for notice in connection with the name *Nephrops*. First, it must be noted that it is sometimes cited in the literature as having been first published in 1816 in the Supplementary Volume to the 4th—6th Editions of the *Encyclopedia Britannica*. In fact, however, it was first published in an anonymous article by Leach in Brewster's *Edinburgh Encyclopedia* (7(2) : 398—400). Second, it should be noted that Part 2 of vol. 7 of Brewster's *Edinb. Ency.* was published in 1814 and not in 1815, the year attributed to it in *Opinion* 104. (For a note on the date of publication of this portion of the *Edinb. Ency.* see Rathbun, 1897, *Proc. biol. Soc. Wash.* 11 : 154, *nota.*)

(12) "Pandalus" Leach, 1815

The name *Pandalus* was published by Leach twice in the year 1815. The first occasion was in the text to Plate 40(2) of his *Malac. podophth. Brit.* The second occasion was in the *Trans. linn. Soc. Lond.* (11(2) : 346). By some oversight it was the latter instead of the former of these references which was cited in *Opinion* 104 as the original reference for this name.

ANNEXE 3

Proposed addition of certain objectively invalid names to the "Official Indexes of Rejected and Invalid Names"

Section A:—Proposed addition of fifty-one generic names to the "Official Index of Rejected and Invalid Generic Names in Zoology"

1. *Acanthocyclus* Dybowski, 1873, *Arch. Naturk. Liv-, Ehst-u. Kuhl. Dorpat* (I)5 : 333 (a junior homonym of *Acanthocyclus* Milne Edwards (H.) & Lucas, [1844], placed on the *Official List* in *Opinion* 73)
2. *Acanthopus* de Haan, [1835], in Siebold, *Fauna japon. (Crust.)* : 29 (a junior homonym of *Acanthopus* Klug, 1807, *Mag. f. Insektenk. (Illiger)* 6 : 199, 226) (replaced by *Percnon* Gistel, 1848, placed on the *Official List* in *Opinion* 85)
3. The under-mentioned junior homonyms of *Asthenognathus* Stimpson, 1858, placed on the *Official List* in *Opinion* 85 :—
 - (a) *Asthenognathus* Bocourt, 1884, *Bull. Sci. Soc. Philomat. Paris* (7)8 : 149
 - (b) *Asthenognathus* Broom, 1915, *Bull. Amer. Mus. nat. Hist* 25 : 125
4. The under-mentioned junior homonyms of *Bathynectes* Stimpson, [1871], placed on the *Official List* in *Opinion* 73 :—
 - (a) *Bathynectes* Guenther, 1878, *Ann. Mag. nat. Hist.* (5)2 : 20
 - (b) *Bathynectes* Brinkman, 1913, *Bergens Mus. Aarb.* 1912 (9) : 1
5. The under-mentioned junior homonyms of *Bellia* Milne Edwards (H.), 1848 placed on the *Official List* in *Opinion* 73 :—
 - (a) *Bellia* Bate, 1851, *Ann. Mag. nat. Hist.* (2)7 : 318
 - (b) *Bellia* Gray (J.E.), 1869, *Proc. zool. Soc. Lond.* 1869 : 197
 - (c) *Bellia* Tutt, 1902, *Nat. Hist. Brit. Lep.* 3 : 386
6. *Caphyra* Barrande, 1846, *Not. prélim. Syst. Silur. Trilob. Bohême* : 32 (a junior homonym of *Caphyra* Guérin-Ménéville, 1832, placed on the *Official List* in *Opinion* 73)
7. *Chlorodopsis* Milne Edwards, 1863, *Ann. Sci. nat., Paris, Zool.* (4)20 : 292 (a *nomen nudum*)
8. *Cyrtograpsus* Carruthers, 1867, *Intell. Observ.* 11 : 369 (a junior homonym of *Cyrtograpsus* Dana, 1851, placed on the *Official List* in *Opinion* 85)
9. *Eucrate* Rafinesque, 1915, *Analyse Nature* : 136 (a *nomen nudum*)
10. *Euryplax* Klapalek, 1909, *Wien. ent. Ztg.* 28 : 255 (a junior homonym of *Euryplax* Stimpson, 1859, placed on the *Official List* in *Opinion* 85)

11. *Gecarcinicus* Dana, 1852, *U.S. Explor. Exped.* 13 (Crust.) : 375, pl. 1 (an Erroneous Subsequent Spelling for *Gecarcinucus* Milne Edwards (H.), 1844, placed on the *Official List* in *Opinion* 73)
12. *Goneplat* [Leach], [1814], Brewster's *Edinb. Ency.* 7 : 393 (an Invalid Original Spelling for *Goneplax* [Leach], [1814], placed on the *Official List* in *Opinion* 85)
13. *Gonoplax* Leach, 1815, *Trans. linn. Soc. Lond.* 11(2) : 323 (an Invalid Emendation of *Goneplax* [Leach], [1814], placed on the *Official List* in *Opinion* 85)
14. The under-mentioned junior homonyms of *Halimede* de Haan, [1835], placed on the *Official List* in *Opinion* 85 :—
 - (a) *Halimede* Rathke, 1843, *Nova Acta Acad. Caes. Leop. Carol.* 20(1) : 166
 - (b) *Halimede* Oberthuer & Houlbert, 1922, *C.R. Acad. Sci. Paris* 174 : 190
15. *Helice* Chambers, 1873, *Canad. Ent.* 5 : 187 (a junior homonym of *Helice* de Haan, [1833], placed on the *Official List* in *Opinion* 85)
16. *Holometopus* Angelin, 1854, *Pal. Scand.* (ed. 1) fasc. 2 : 58 (a junior homonym of *Holometopus* Milne Edwards (H.), 1853, placed on the *Official List* in *Opinion* 85)
17. The under-mentioned junior homonyms of *Homalaspis* Milne Edwards (A.), 1863, placed on the *Official List* in *Opinion* 85 :—
 - (a) *Homalaspis* Brunner von Wattenwyl, 1895, *Monogr. Pseudophylliden* 9 : 217
 - (b) *Homalaspis* Kaier, 1932, *Skr. Svalbard Ishavet*, Oslo, 52 : 14
18. *Homarus* Broun, 1881, *Man. N.Z. Coleopt.* (fasc. 2) : 740 (a junior homonym of *Homarus* Weber, 1795, placed on the *Official List* in *Opinion* 104)
19. *Iphiculus* White, 1847, *List. Crust. Coll. B.M.* : 51 (a *nomen nudum*)
20. The under-mentioned junior homonyms of *Iphis* Leach, 1817, placed on the *Official List* in *Opinion* 73 :—
 - (a) *Iphis* Koch (C.L.), 1835, *Deutschl. Crust. Myriap. Arach.* (Heft 2) : tab. 6
 - (b) *Iphis* Laporte, 1836, *Revue Entom.* 4(1) : 7

21. *Liagora* Gistel, 1848, *Nat. Thierr.* : ix (an Erroneous Subsequent Spelling for *Liagore* de Haan, [1833], placed on the *Official List* in *Opinion* 85)
22. *Lissocarcinus* Adams & White, 1847, in *White's List. Crust. coll. B.M.* : 126 (a *nomen nudum*)
23. *Lupocyclus* White, 1847, *List Crust. Coll. B.M.* : 127 (a *nomen nudum*)
24. *Persephona* Leach, 1852, *Syn. Moll. Gt. Brit.* : 146, 189 (a junior homonym of *Persephona* Leach, 1817, placed on the *Official List* in *Opinion* 73)
25. The under-mentioned junior homonyms of *Pilumnus* Leach, 1815, placed on the *Official List* in *Opinion* 85 :—
 - (a) *Pilumnus* Rafinesque, 1815, *Analyse Nature* : 122
 - (b) *Pilumnus* Dejean, 1821, *Cat. Coll. Coléopt. Dejean* [1821 ed.] : 86 ; id., 1823, *Col. u. Lepid.* : 56
 - (c) *Pilumnus* Koch (C.L.), 1837, *Uebers Arachnidensyst.* 1 : 38
 - (d) *Pilumnus* Gistel, 1848, *Nat. Thierr.* : xi (nom. nov. pro *Alphus* Dejean, 1833)
 - (e) *Pilumnus* Bonaparte, 1854, *Ateneo Ital.* 2 : 123
26. The under-mentioned junior homonyms of *Planes* Bowditch, 1825, placed on the *Official List* in *Opinion* 85 :—
 - (a) *Planes* Saussure, 1862, *Rev. Mag. Zool.* (2)14 : 228
 - (b) *Planes* Rondani, 1864, *Arch. Zool. anat. Fisiol.* 3 (fasc. 1) : 9
27. *Podacanthus* Brandt, 1848, *Bull. Acad. Sci. St. Petersb.* 7(12/13) : 180 (a junior homonym of *Podacanthus* Gray, 1833) (replaced by *Erimacrus* Benedict, 1892, placed on the *Official List* in *Opinion* 73)
28. *Podophtalmus* Lamarck, 1801, *Syst. Anim.* : 152 (an Invalid Original Spelling for *Podophthalmus* Lamarck, 1801, placed on the *Official List* in *Opinion* 73)
29. *Polydectus* Rafinesque, 1815, *Analyse Nature* : 142 (a *nomen nudum*)
30. *Pseudopinnixa* Holmes, 1895, *Proc. Cal. Acad. Sci.* (2)4 : 565 (a junior homonym of *Pseudopinnixa* Ortmann, 1894, placed on the *Official List* in *Opinion* 85)
31. *Ptychognathus* Owen, 1860, *Quart. J. geol. Soc. Lond.* 16 : 49 (a junior homonym of *Ptychognathus* Stimpson, 1858, placed on the *Official List* in *Opinion* 85)

32. *Telmessus* Stål, 1866, *Hemipt. Afric.* 4 : 211 (a junior homonym of *Telmessus* White, 1846, placed on the *Official List* in *Opinion 73*)
33. *Tlos* White, 1847, *List Crust. Coll. B.M.* : 129 (a *nomen nudum*)
34. *Trichodactylus* Dufour, 1839, *Ann. Sci. nat., Paris (Zool.)* 11 : 276 (a junior homonym of *Trichodactylus* Latreille, 1828, placed on the *Official List* in *Opinion 73*)
35. *Utica* Hewitson, [1865], *Ill. diurn. Lep. Lycaenidae* 1 : 56 (a junior homonym of *Utica* White, 1847, placed on the *Official List* in *Opinion 85*)
36. The under-mentioned junior homonyms of *Valdivia* White, 1847, placed on the *Official List* in *Opinion 73* :—
 - (a) *Valdivia* Ragonot, 1888, *Nouv. gen. esp. Phycit. Gall.* : 27
 - (b) *Valdivia* Shannon, 1927, *Proc. U.S. nat. Mus.* 70(art. 9) : 31
37. *Zosimus* Schaufuss, 1886, *Tijdschr. Ent.* 29 : 293 (a junior homonym of *Zosimus* Leach, 1825, placed on the *Official List* in *Opinion 85*)
38. *Zozymus* Milne Edwards (H.), 1834, *Roret's Suite à Buffon (Crust.)* 1 : 383 (an Erroneous Subsequent Spelling for *Zosimus* Leach, 1825, placed on the *Official List* in *Opinion 85*)

**Section B :—Proposed addition of six specific names to the
“ Official Index of Rejected and Invalid Specific Names
in Zoology ”**

1. *granulatus* de Haan, [1835], as published in the combination *Cancer (Actaea) granulatus* (in Siebold, *Fauna japon. (Crust.)* : 4, 18) (a junior homonym of *granulatus* Linnaeus, 1758, as published in the combination *Cancer granulatus*)
2. *ponnanti* Leach, [1817], as published in the combination *Ebalia pennanti* (*Malac. podophth. Brit.* (14) : text to pl. 25) (a junior objective synonym of *tuberosus* Pennant, 1777, as published in the combination *Cancer tuberosus*).
3. *tresselata* Milne Edwards, 1834, as published in the combination *Lybia tresselata* (Roret's Suite à Buffon, *Hist. nat. Crust.* 1 : 431) (an Erroneous Subsequent Spelling for *tesselatus* Latreille, 1812, as published in the combination *Grapsus tesselatus*)
4. *variegatus* [Leach], [1814], as published in the combination *Portumnus variegatus* (Brewster's *Edinb. Ency.* 7(2) : 391) (a junior objective synonym of *latipes* Pennant, 1777, as published in the combination *Cancer latipes*)

5. *jurinii* Bell, 1855 (as published in the combination *Leucosilia jurinii* *Proc. linn. Soc. Lond.* **2** : 431 ; id., 1855, *Trans. linn. Soc. Lond.* **21** : 295) (an Erroneous Subsequent Spelling for *jurinei* Saussure, 1853, as published in the combination *Guaia (Ilia) jurinei*)
6. *vigil* Fabricius, 1798, as published in the combination *Portunus vigil* (*Suppl. Ent. syst.* : 363) (a junior objective synonym of *vigil* Weber, 1795, as published in the combination *Portunus vigil*)

2. Registration of the present application : Upon the receipt of Mr. Hemming's paper the question of making the additions to the *Official Lists* and *Official Indexes* recommended therein was allotted the Registered Number Z.N.(S.) 987.

II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

3. Issue of Voting Paper V.P.(O.M.)(55)28 : On 19th September 1955 a Voting Paper (V.P.(O.M.)(55)28) was issued in which each Member of the Commission was asked (1) to state whether he agreed " that, in accordance with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, and other matters on which action is required in order to complete, to clarify, or to correct Rulings given in *Opinions* rendered in the foregoing period, the action recommended in paragraph 7 of the paper numbered Z.N.(S.) 987, regarding names in the Order Decapoda (Class Crustacea), submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*] be now taken as there recommended ", and (2), if he did not so agree as regards any given item, to indicate that item.

4. Withdrawal of the proposals in regard to three specific names submitted with Voting Paper V.P.(O.M.)(55)28 : Consequential upon a decision to withdraw from the scope of V.P.(O.M.)(55)27 the proposals submitted therewith in relation to the names *Pandalus* Leach 1815, *Pinnotheres* Latreille [1802—1803] and *Portumnus* Leach, 1814, in order to permit of the consideration of certain new information received in regard to those names, the Secretary on 7th October 1955 executed the following Minute withdrawing from the scope of Voting Paper V.P.(O.M.)(55)28 certain supplementary proposals relating to the foregoing names for the purpose of enabling the Commission to deal simultaneously with all outstanding problems in regard to these names when it should have before it revised proposals prepared in the light of the additional information referred to above :—

Withdrawal of proposals relating to three specific names from the scope of Voting Paper V.P.(O.M.)(55)28

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.,

(*Secretary to the International Commission on Zoological Nomenclature*)

In the light of additional information now furnished by Dr. L. B. Holthuis I have this day by a Minute numbered Z.N.(S.) 985 withdrawn from the scope of Voting Paper V.P.(O.M.)(55)27 certain proposals submitted therewith in relation to the names *Pandalus* Leach, 1815, *Pinnotheres* Latreille, [1802—1803] and *Portumnus* Leach, 1814, in order to permit of the further study of the issues involved before decisions were taken by the Commission thereon. In completion of the action taken in the foregoing Minute I now, as Secretary, withdraw from the scope of Voting Paper V.P.(O.M.)(55)28 certain other proposals regarding the foregoing names for the purpose of enabling all aspects of the questions outstanding in regard to the above names to be taken into consideration by the Commission simultaneously.

5. The Prescribed Voting Period : As Voting Paper V.P.(O.M.)(55)28 was issued under the One-Month Rule, the Prescribed Voting Period therefor closed on 19th October 1955.

6. Addition to the “ Official Index of Rejected and Invalid Generic Names in Zoology ” of six additional junior homonyms

of the name "Acanthopus" Klug, 1807 : On 1st November 1955, Mr. Hemming, as Secretary, placed the following Minute on the Commission's File Z.N.(S.) 987 :—

Addition to the " Official Index of Rejected and Invalid Generic Names in Zoology " of certain junior homonyms of "Acanthopus" Klug, 1807, additional to that specified in Annexe 3 to the paper submitted with Voting Paper V.P.(O.M.)(55)28

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.,

(Secretary to the International Commission on Zoological Nomenclature)

In returning his copy of Voting Paper V.P.(O.M.)(55)28, Mr. Sylvester-Bradley drew attention to the fact that in Annexe 3 to the paper numbered Z.N.(S.) 987 submitted with the foregoing Voting Paper¹ one only of a number of junior homonyms of *Acanthopus* Klug, 1807, had been put forward for addition to the *Official Index of Rejected and Invalid Generic Names in Zoology* and expressed the view that all of these ought now to be placed on the above *Official Index*.

2. Having regard to the Directive issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that all objectively invalid names dealt with in, or otherwise involved in connection with, cases submitted to the Commission for decision be placed on the appropriate *Official Index*, I now, as Secretary, hereby direct that the following names each of which is a junior homonym of *Acanthopus* Klug, 1807, be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* and that the said additions to the *Official Index* be included in the Ruling in the *Direction* embodying the decisions of the Commission in its vote on Voting Paper V.P.(O.M.)(55)28 :—

- (a) *Acanthopus* Oken, 1816, *Lehrbuch Naturgesch.* 3(2) : iii, 122
- (b) *Acanthopus* Dahl, 1823, *Col. u. Lepid.* : 45
- (c) *Acanthopus* Latreille, 1829, in Cuvier (G.L.C.F.D.), *Règn. anim.* (ed. 2) 5 : 38
- (d) *Acanthopus* Muenster, 1839, *Beitr. Petref.* (1) : 94
- (e) *Acanthopus* Giebel, 1872, *Thesaur. Orn.* 1 : 260
- (f) *Acanthopus* Vernet, 1877, *Arch. Sci. phys. nat. Genève* (n.s.) 60 : 334

¹ For the text of the paper here referred to see the first paragraph of the present *Direction*.

7. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)28 :

At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)28 was as follows :—

- (a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Boschma ; Holthuis ; Stoll ; Mayr ; Riley ; Vokes ;
Hering ; Jaczewski ; Prantl ; Lemche ; Mertens ; Bonnet ;
do Amaral ; Hankó ; Esaki ; Key ; Dymond ; Cabrera ;
Hemming ; Miller² ; Bradley (J.C.) ; Kühnelt ; Sylvester-
Bradley ; Tortonese ;

- (b) *Negative Votes :*

None ;

- (c) *On Leave of Absence, one (1) :*

Bodenheimer ;

- (d) *Voting Papers not returned :*

None.

8. Declaration of Result of Vote : On 1st November 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)28, signed a Certificate that the Votes cast were as set out in paragraph 7 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

9. Preparation of the Ruling given in the present “ Direction ” : On 29th December 1955, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord

² Commissioner Miller exercised in this case the right conferred by the Thirteenth International Congress of Zoology in Paris, 1948, under which a Commissioner may, if he so desires, signify his willingness to support the view or the majority view, of other members of the Commission (1950, *Bull. zool. Nomencl.* 4 : 50—51).

with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)28, subject (a) to the withdrawal therefrom of the proposals relating to the two generic names specified in the Minute executed by the Secretary on 7th October 1955, and (b) to the addition to the *Official Index of Rejected and Invalid Generic Names in Zoology* of the junior homonyms specified in the Secretary's Minute of 1st November 1955. The Minutes referred to above have been reproduced in paragraph 4 and paragraph 6 respectively of the present *Direction*.

10. Original References : The original references for the generic names specified in Rulings (1) and (2) of the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology*. The references for the names specified in Ruling (3) have been similarly noted except in so far as they have been supplemented by additional information given in Annexe 2 to the application reproduced in the first paragraph of the present *Direction*. The original references for the names specified in Rulings (4) and (5) are given in Annexe 3 to the paper referred to above, with the exception of those for six junior homonyms of *Acanthopus* Klug, 1807, the references for which are given in the Minute executed by the Secretary on 1st November 1955, the text of which is given in paragraph 6 of the present *Direction*.

11. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

12. The present *Direction* shall be known as *Direction Thirty-Seven (37)* of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Ninth day of December, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING